



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T

To,

Date: 06-02-2021

ASSISTANT EXECUTIVE ENGINEER
KODIGEHALI SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Civil Pro Services for the work of "IMPROVEMENTS TO DRAINS CROSS ROADS OF B KRISHNAPPA LAYOUT IN AMRUTHAHALLI IN WARD NO.07 BYATARAYANAPURA"

Ref: 1. Work Order No: BBMP/EE/BTP/WO/134/2020-21

2. Job code: 007-20-000091

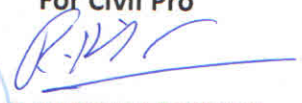
We are here with forwarding to Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64. First and Final bill duly verified and certified that the Work is satisfactory and for a Gross Value of Rs.22,30,670.00 /- (Rs. Twenty Two Lakhs Thirty Thousand Six Hundred and Seventy Only).

Thanking you,

Yours faithfully,


Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore



For Civil Pro

R KARTHIK RECHAN
AUTHORIZED SIGNATORY
CIVIL PRO

**QC ABSTRACT****NAME OF WORK:** Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	PCC(M15)	Compressive Strength(7days and 28days)	5 set /51-100 cum	91.28	10	10

Ashley N.D

Assistant Executive Engineer
Kodigehalli Sub Division
Kudal Bangalore Mahanagara Palike
Bangalore - 560 092

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-04-28-35 Date: 14-12-20
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer's Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 10-12-20
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
Date of test : 10-12-20
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.54	-
2	Finess by Air permeability method (m ² /kg, Min)	298.2	225m ² /kg, Min
3	Density (gm/cc)	3.12	-
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	160 minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The Results Obtained are Satisfactory as per Standard Requirements
Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

Abhijit
AE (W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-04-28-35 Date: 07-01-21
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer's Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 10-12-20
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test : 10-12-20
Environmental Conditions during test : Temperature: 26°C Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.0N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.5N/mm ²	Not less than 37 N/mm ²
3	28 Days	59.0N/mm ²	Not less than 53 N/mm ²

* The Results Obtained are Satisfactory as per Standard Requirements

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Asst. Ex. Eng. N.D.
A.E. (W)

Assistant Executive Engineer
Kodigehalli Sub Division
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Bangalore - 560 092/1
****End of Report****



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R KARTHIK RECHAN
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Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-04-28-35 Date: 14-12-20
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri: Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer's Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 10-12-20
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 10-12-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	187	187	1.2	98.8	90-100
3	20 mm	7276	7463	49.8	50.2	30-70
4	10 mm	4074	11537	76.9	23.1	10-35
5	4.75 mm	3000	14537	96.9	3.1	0-5
6	Pan	463	15000	100.0	0	---





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TEST REPORT ON COARSE AGGREGATES

Lab ID

:

CP-2021-04-28-35

Date: 14-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.68	—
4	Bulk Density(Loose) (Kg/l)	1.53	—
5	Bulk Density(Compacted) (Kg/l)	1.57	—
6	Water Absorption(%)	0.23	—

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

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Samples will be disposed after 30 days from the date of issue of test certificate

10/11/21 - N.D
AEL(1)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-04-28-35 Date: 14-12-20
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 10-12-20
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 10-12-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	236	236	4.7	95.3	90-100
3	10 mm	2629	2865	57.3	42.7	25-55
4	4.75 mm	1779	4644	92.9	7.1	0-10
5	Pan	356	5000	100	0	-

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TEST REPORT ON COARSE AGGREGATES

Lab ID

: CP-2021-04-28-35

Date: 14-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	9.3	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.7	
3	Specific Gravity	2.67	—
4	Bulk Density(Loose) (Kg/l)	1.54	—
5	Bulk Density(Compacted) (Kg/l)	1.58	—
6	Water Absorption(%)	0.22	—
7	Aggregate crushing Value(%)	24.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

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All information furnished by the Customer/Representative

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Samples will be disposed after 30 days from the date of issue of test certificate

Asst. Eng. N.D.
AE (137)

Assistant Executive Engineer
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FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signature
Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-04-28-35 Date: 14-12-20

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-12-20

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 10-12-20

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	240	322	32.2	67.8	30-70	55-90	75-100	90-100
5	600 micron	206	528	52.8	47.2	15-34	35-59	60-79	80-100
6	300 micron	205	733	73.3	26.7	5-20	8-30	12-40	15-50
7	150 micron	191	924	92.4	7.6	0-10	0-10	0-10	0-15
8	Pan	76	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-04-28-35

Date: 14-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	—
2	Specific Gravity	2.59	—
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The Results Obtained are Satisfactory as per Standard Requirements

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Ashtly. N.D
AE(R)

CP
Assistant Executive Engineer
Kodigehalli Sub Division
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Bangalore - 560 092



FOR CIVIL Pro.

R.K.R.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : CP-2021-04-28-35 Date: 15-12-20

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-12-20

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 14-12-20

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

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Assistant Executive Engineer
Kodigehalli Sub Division
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FOR CIVIL Pro.

R KARTHIK RECHAN
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End of Report

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID : CP-2021-04-28-35 Date: 06-01-21

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-21

Sample Type /Size : CC Kerb Stone/ 450*150*500mm

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 02/01/2021

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	A	100.01	150.51	2.664	7854	132.1	16.8	16.8	21.0
2	B	100.03	150.49	2.693	7857	135.2	17.2	17.2	21.5
3	C	100.01	150.50	2.615	7854	135.1	17.2	17.2	21.5

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Note:

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Asst. Exec. Eng. N.D.
AE (K-7)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Page 1/1

****End of Report****



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 05/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 31-12-20

Customer ID : Copping Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)						
1	Copping Concrete	M15	29/12/2020	05/01/2021	150.66	X	22676	8.954	285.4	12.6	12.6
					150.51	X					
					149.18						
2	Copping Concrete	M15	29/12/2020	05/01/2021	150.83	X	22626	8.095	290.3	12.8	
					150.01	X					
					150.29						
3	Copping Concrete	M15	29/12/2020	05/01/2021	151.11	X	22892	8.735	285.0	12.4	
					151.49	X					
					150.65						

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Samples will be disposed after 30 days from the date of issue of test certifi

Asst. Exec. Eng. N.D.
A.E.(N.D.)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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****End of Report****



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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 26/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 31-12-20

Customer ID : Copping Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Copping Concrete	M15	29/12/2020	26/01/2021	150.02 X 150.01 X 151.54	22504	8.415	392.8	17.5	17.6
2	Copping Concrete	M15	29/12/2020	26/01/2021	149.08 X 150.73 X 149.03	22471	8.633	393.6	17.5	
3	Copping Concrete	M15	29/12/2020	26/01/2021	150.28 X 151.70 X 149.82	22798	8.105	407.1	17.9	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Samples will be disposed after 30 days from the date of issue of test certificate

Bohng. N.S
AE (L-2)

CPD
Assistant Executive Engineer
Kodigehalli Sub Division
Ruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Page 1/1

****End of Report****

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO
Sig.....
Date.....
BANGALORE

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 08/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-01-21

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 08/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	150.80	X	22749	8.954	294.6	13.0
					150.86	X				
					150.63					
2	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	149.37	X	22415	8.095	278.5	12.4
					150.06	X				
					149.19					
3	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	150.96	X	22760	8.735	274.7	12.1
					150.77	X				
					151.25					

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Assistant Executive Engineer
Kodigehalli Sub Division
Brihat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer
Kodigehalli Sub Division
Brihat Bangalore Mahanagara Palike
Bangalore - 560 092



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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29/01/2021

Lab ID : CP-2021-04-28-35

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-01-21

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/01/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	149.82	X	22482	8.415	402.3	17.9
					150.06	X				
					149.87					
2	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	149.50	X	22493	8.633	392.0	17.4
					150.46	X				
					150.25					
3	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	151.65	X	22735	8.105	391.3	17.2
					149.92	X				
					151.22					

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Asst. Ex. Eng. N.D.
AEC (B)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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Authorized Signatory
Quality Manager



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 08/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-01-21

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	149.42	X	22426	8.954	281.2	12.5
					150.08	X				
					151.59					
2	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	151.75	X	22659	8.095	287.6	12.7
					149.32	X				
					151.68					
3	Drain Bottom Slab Concrete	M15	01/01/2021	08/01/2021	149.02	X	22621	8.735	278.5	12.3
					151.80	X				
					149.00					

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Signature
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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Signature
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 29/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-01-21

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)						
1	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	149.92	X	22480	8.415	397.5	17.7	17.4
					149.94	X					
					151.05						
2	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	151.44	X	23008	8.633	398.1	17.3	
					151.92	X					
					151.07						
3	Drain Bottom Slab Concrete	M15	01/01/2021	29/01/2021	150.15	X	22546	8.105	390.1	17.3	
					150.16	X					
					149.52						

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Abhijit N D
4E(27)

Assistant Executive Engineer
Kodigehalli Sub Division
Ruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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Authorized Signatory
Quality Manager



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 11/01/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-01-21

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)						
1	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	149.18	X	22301	8.954	271.3	12.2	12.6
					149.49	X					
					151.61						
2	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	149.02	X	22640	8.095	286.8	12.7	
					151.92	X					
					149.70						
3	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	150.88	X	22859	8.735	296.3	13.0	
					151.50	X					
					151.31						

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Note:

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Information furnished by the Customer/Representative

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ANJAN KUMAR.Y.A

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092
Page 1/1
****End of Report****



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 **Date:** 01/02/2021
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer's Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 06-01-21
Customer ID : Drain Side Wall Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 01/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	150.22 X 149.43 X 150.11	22447	8.415	394.8	17.6	17.5
2	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	151.40 X 151.29 X 150.62	22906	8.633	399.5	17.4	
3	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	151.07 X 149.76 X 150.57	22623	8.105	393.6	17.4	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Amul N.D

Assistant Executive Engineer
 Kodigehalli Sub Division
 Bruhat Bangalore Mahanagara Palike
 Bangalore - 560 092

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 Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 11/01/2021
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura
Agency : Sri. Anjan Kumar.Y.A. No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64
Customer's Reference : BBMP/EE/BTP/WO/134/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 06-01-21
Customer ID : Drain Side Wall Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 11/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)						
1	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	150.98	X	22766	8.954	292.1	12.8	12.7
					150.79	X					
					151.27						
2	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	149.38	X	22549	8.095	289.0	12.8	
					150.95	X					
					150.99						
3	Drain Side Wall Concrete	M15	04/01/2021	11/01/2021	150.28	X	22678	8.735	284.2	12.5	
					150.90	X					
					151.05						

* The Results Obtained are Satisfactory as per Standard Requirements

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Arjun A.D.

Assistant Executive Engineer
Kodigehalli Sub Division
Ruhat Bangalore Mahanagara Palike
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Authorized Signatory
Quality Manager



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-04-28-35 Date: 01/02/2021

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains Cross Roads of B Krishnappa Layout in Amruthahalli in Ward No.07 Byatarayanapura

Agency : Sri. Anjan Kumar.Y.A, No:456, Maheswaramma, Temple, Street, Yelahanka, Bangalore-64

Customer's Reference : BBMP/EE/BTP/WO/134/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-01-21

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)						
1	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	149.01	X	22453	8.415	386.0	17.2	17.6
					150.68	X					
					150.03						
2	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	149.43	X	22496	8.633	397.8	17.7	
					150.54	X					
					151.93						
3	Drain Side Wall Concrete	M15	04/01/2021	01/02/2021	149.44	X	22573	8.105	403.9	17.9	
					151.05	X					
					150.85						

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

As per N.D.

CPD
Assistant Executive Engineer
Kodigehalli Sub Division
Ruhel Bangalore Mahanagara Palike
Bangalore - 560 092

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****End of Report****



FOR CIVIL Pro.

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